



IFWO

RAW SEQUENCE LISTING

DATE: 07/23/2004

PATENT APPLICATION: US/10/735,118

TIME: 16:29:07

Input Set : A:\SEQLIST.6270-701.201.ST25.txt

Output Set: N:\CRF4\07232004\J735118.raw

3 <110> APPLICANT: Bacus, Sarah S.
 4 Smith, Bradley L.
 6 <120> TITLE OF INVENTION: METHOD FOR PREDICTING THE RESPONSE TO HER2-DIRECTED THERAPY
 8 <130> FILE REFERENCE: 6270-701.201
 10 <140> CURRENT APPLICATION NUMBER: US 10/735,118
 11 <141> CURRENT FILING DATE: 2003-12-11
 13 <150> PRIOR APPLICATION NUMBER: US 60/370,473
 14 <151> PRIOR FILING DATE: 2002-04-05
 16 <150> PRIOR APPLICATION NUMBER: US 60/432,943
 17 <151> PRIOR FILING DATE: 2002-12-11
 19 <150> PRIOR APPLICATION NUMBER: US 10/408,520
 20 <151> PRIOR FILING DATE: 2003-04-07
 22 <160> NUMBER OF SEQ ID NOS: 3
 24 <170> SOFTWARE: PatentIn version 3.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 480
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Homo sapiens
 31 <400> SEQUENCE: 1
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 34 1 5 10 15
 37 Glu Tyr Ile Lys Thr Trp Arg Pro Arg Tyr Phe Leu Leu Lys Asn Asp
 38 20 25 30
 41 Gly Thr Phe Ile Gly Tyr Lys Glu Arg Pro Gln Asp Val Asp Gln Arg
 42 35 40 45
 45 Glu Ala Pro Leu Asn Asn Phe Ser Val Ala Gln Cys Gln Leu Met Lys
 46 50 55 60
 49 Thr Glu Arg Pro Arg Pro Asn Thr Phe Ile Ile Arg Cys Leu Gln Trp
 50 65 70 75 80
 53 Thr Thr Val Ile Glu Arg Thr Phe His Val Glu Thr Pro Glu Glu Arg
 54 85 90 95
 57 Glu Glu Trp Thr Thr Ala Ile Gln Thr Val Ala Asp Gly Leu Lys Lys
 58 100 105 110
 61 Gln Glu Glu Glu Glu Met Asp Phe Arg Ser Gly Ser Pro Ser Asp Asn
 62 115 120 125
 65 Ser Gly Ala Glu Glu Met Glu Val Ser Leu Ala Lys Pro Lys His Arg
 66 130 135 140
 69 Val Thr Met Asn Glu Phe Glu Tyr Leu Lys Leu Leu Gly Lys Gly Thr
 70 145 150 155 160
 73 Phe Gly Lys Val Ile Leu Val Lys Glu Lys Ala Thr Gly Arg Tyr Tyr
 74 165 170 175
 77 Ala Met Lys Ile Leu Lys Lys Glu Val Ile Val Ala Lys Asp Glu Val
 78 180 185 190

ENTERED

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81 Ala His Thr Leu Thr Glu Asn Arg Val Leu Gln Asn Ser Arg His Pro
82      195      200      205
85 Phe Leu Thr Ala Leu Lys Tyr Ser Phe Gln Thr His Asp Arg Leu Cys
86      210      215      220
89 Phe Val Met Glu Tyr Ala Asn Gly Gly Glu Leu Phe Phe His Leu Ser
90 225      230      235      240
93 Arg Glu Arg Val Phe Ser Glu Asp Arg Ala Arg Phe Tyr Gly Ala Glu
94      245      250      255
97 Ile Val Ser Ala Leu Asp Tyr Leu His Ser Glu Lys Asn Val Val Tyr
98      260      265      270
101 Arg Asp Leu Lys Leu Glu Asn Leu Met Leu Asp Lys Asp Gly His Ile
102      275      280      285
105 Lys Ile Thr Asp Phe Gly Leu Cys Lys Glu Gly Ile Lys Asp Gly Ala
106      290      295      300
109 Thr Met Lys Thr Phe Cys Gly Thr Pro Glu Tyr Leu Ala Pro Glu Val
110 305      310      315      320
113 Leu Glu Asp Asn Asp Tyr Gly Arg Ala Val Asp Trp Trp Gly Leu Gly
114      325      330      335
117 Val Val Met Tyr Glu Met Met Cys Gly Arg Leu Pro Phe Tyr Asn Gln
118      340      345      350
121 Asp His Glu Lys Leu Phe Glu Leu Ile Leu Met Glu Glu Ile Arg Phe
122      355      360      365
125 Pro Arg Thr Leu Gly Pro Glu Ala Lys Ser Leu Leu Ser Gly Leu Leu
126      370      375      380
129 Lys Lys Asp Pro Lys Gln Arg Leu Gly Gly Gly Ser Glu Asp Ala Lys
130 385      390      395      400
133 Glu Ile Met Gln His Arg Phe Phe Ala Gly Ile Val Trp Gln His Val
134      405      410      415
137 Tyr Glu Lys Lys Leu Ser Pro Pro Phe Lys Pro Gln Val Thr Ser Glu
138      420      425      430
141 Thr Asp Thr Arg Tyr Phe Asp Glu Glu Phe Thr Ala Gln Met Ile Thr
142      435      440      445
145 Ile Thr Pro Pro Asp Gln Asp Asp Ser Met Glu Cys Val Asp Ser Glu
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149 Arg Arg Pro His Phe Pro Gln Phe Ser Tyr Ser Ala Ser Ser Thr Ala
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154 <211> LENGTH: 249
155 <212> TYPE: PRT
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 2
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164 Glu Val Asp Asp Glu Arg Lys Leu Arg Thr Phe Tyr Glu Lys Arg Met
165      20      25      30
168 Ala Thr Glu Val Ala Ala Asp Ala Leu Gly Glu Glu Trp Lys Gly Tyr
169      35      40      45
172 Val Val Arg Ile Ser Gly Gly Asn Asp Lys Gln Gly Phe Pro Met Lys
173      50      55      60

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176 Gln Gly Val Leu Thr His Gly Arg Val Arg Leu Leu Leu Ser Lys Gly
177 65 70 75 80
180 His Ser Cys Tyr Arg Pro Arg Arg Thr Gly Glu Arg Lys Arg Lys Ser
181 85 90 95
184 Val Arg Gly Cys Ile Val Asp Ala Asn Leu Ser Val Leu Asn Leu Val
185 100 105 110
188 Ile Val Lys Lys Gly Glu Lys Asp Ile Pro Gly Leu Thr Asp Thr Thr
189 115 120 125
192 Val Pro Arg Arg Leu Gly Pro Lys Arg Ala Ser Arg Ile Arg Lys Leu
193 130 135 140
196 Phe Asn Leu Ser Lys Glu Asp Asp Val Arg Gln Tyr Val Val Arg Lys
197 145 150 155 160
200 Pro Leu Asn Lys Glu Gly Lys Lys Pro Arg Thr Lys Ala Pro Lys Ile
201 165 170 175
204 Gln Arg Leu Val Thr Pro Arg Val Leu Gln His Lys Arg Arg Arg Ile
205 180 185 190
208 Ala Leu Lys Lys Gln Arg Thr Lys Lys Asn Lys Glu Glu Ala Ala Glu
209 195 200 205
212 Tyr Ala Lys Leu Leu Ala Lys Arg Met Lys Glu Ala Lys Glu Lys Arg
213 210 215 220
216 Gln Glu Gln Ile Ala Lys Arg Arg Arg Leu Ser Ser Leu Arg Ala Ser
217 225 230 235 240
220 Thr Ser Lys Ser Glu Ser Ser Gln Lys
221 245
224 <210> SEQ ID NO: 3
225 <211> LENGTH: 379
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 3
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232 1 5 10 15
235 Thr Glu Gly Val Gly Pro Gly Val Pro Gly Glu Val Glu Met Val Lys
236 20 25 30
239 Gly Gln Pro Phe Asp Val Gly Pro Arg Tyr Thr Gln Leu Gln Tyr Ile
240 35 40 45
243 Gly Glu Gly Ala Tyr Gly Met Val Ser Ser Ala Tyr Asp His Val Arg
244 50 55 60
247 Lys Thr Arg Val Ala Ile Lys Lys Ile Ser Pro Phe Glu His Gln Thr
248 65 70 75 80
251 Tyr Cys Gln Arg Thr Leu Arg Glu Ile Gln Ile Leu Leu Arg Phe Arg
252 85 90 95
255 His Glu Asn Val Ile Gly Ile Arg Asp Ile Leu Arg Ala Ser Thr Leu
256 100 105 110
259 Glu Ala Met Arg Asp Val Tyr Ile Val Gln Asp Leu Met Glu Thr Asp
260 115 120 125
263 Leu Tyr Lys Leu Leu Lys Ser Gln Gln Leu Ser Asn Asp His Ile Cys
264 130 135 140
267 Tyr Phe Leu Tyr Gln Ile Leu Arg Gly Leu Lys Tyr Ile His Ser Ala
268 145 150 155 160

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271 Asn Val Leu His Arg Asp Leu Lys Pro Ser Asn Leu Leu Ile Asn Thr
272          165          170          175
275 Thr Cys Asp Leu Lys Ile Cys Asp Phe Gly Leu Ala Arg Ile Ala Asp
276          180          185          190
279 Pro Glu His Asp His Thr Gly Phe Leu Thr Glu Tyr Val Ala Thr Arg
280          195          200          205
283 Trp Tyr Arg Ala Pro Glu Ile Met Leu Asn Ser Lys Gly Tyr Thr Lys
284          210          215          220
287 Ser Ile Asp Ile Trp Ser Val Gly Cys Ile Leu Ala Glu Met Leu Ser
288 225          230          235          240
291 Asn Arg Pro Ile Phe Pro Gly Lys His Tyr Leu Asp Gln Leu Asn His
292          245          250          255
295 Ile Leu Gly Ile Leu Gly Ser Pro Ser Gln Glu Asp Leu Asn Cys Ile
296          260          265          270
299 Ile Asn Met Lys Ala Arg Asn Tyr Leu Gln Ser Leu Pro Ser Lys Thr
300          275          280          285
303 Lys Val Ala Trp Ala Lys Leu Phe Pro Lys Ser Asp Ser Lys Ala Leu
304          290          295          300
307 Asp Leu Leu Asp Arg Met Leu Thr Phe Asn Pro Asn Lys Arg Ile Thr
308 305          310          315          320
311 Val Glu Glu Ala Leu Ala His Pro Tyr Leu Glu Gln Tyr Tyr Asp Pro
312          325          330          335
315 Thr Asp Glu Pro Val Ala Glu Glu Pro Phe Thr Phe Ala Met Glu Leu
316          340          345          350
319 Asp Asp Leu Pro Lys Glu Arg Leu Lys Glu Leu Ile Phe Gln Glu Thr
320          355          360          365
323 Ala Arg Phe Gln Pro Gly Val Leu Glu Ala Pro
324          370          375

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VERIFICATION SUMMARY

DATE: 07/23/2004

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Input Set : A:\SEQLIST.6270-701.201.ST25.txt

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